Fujitsu Siemens Computers GmbH

CRTE-BAS (BS2000/OSD)
Version 1.5A
*6 October 2007

Release Notice

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Release Notice CRTE-BAS V1.5A

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1 General

This Release Notice is a summary of the major extensions, requirements and operating information with regard to the following technical delivery units:

*6 BS2GA.CRTE-BAS as of V5.0C72 for BS2000/OSD-BC *) as of V5.0 or
*6 BXC.CRTE-BAS as of V1.0C72 for OSD/XC as of V1.0 or
*6 BXC.CRTE-BAS as of V1.1C72 for OSD/XC as of V1.1 or
*6 BXC.CRTE-BAS as of V1.2C72 for OSD/XC as of V1.2.

The technical delivery units contain the components CRTE-BASYS V1.5A, CRTE-MSG V1.5A and POSIX-HEADER V1.5A and replace the components CRTE-BASYS V1.4C, CRTE-MSG V1.4C and POSIX-HEADER V1.4C.

*6 The release level is that of October 2007.

The Release Notice is supplied as a file in uppercase/lowercase. Customers will receive an updated version of this file should any subsequent changes be made. To print the file, use:

```
/PRINT-DOCUMENT FROM-FILE=SYSFGM.CRTE-BAS.015.E, -
/  DOC-FORM=*TEXT (LINE-SPACING=BY-EBCDIC-CONTR)
                                        (English version)
or
/PRINT-DOCUMENT FROM-FILE=SYSFGM.CRTE-BAS.015.D, -
/  DOC-FORM=*TEXT (LINE-SPACING=BY-EBCDIC-CONTR)
                                        (German version)
```

This Release Notice is also available online under
*4 http://manuals.fujitsu-siemens.com.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must be noted.

1.1 Ordering

CRTE-BAS V1.5 is included in BS2000/OSD-BC as of V5.0 and in OSD/XC as of V1.0.

1.2 Delivery

The CRTE-BAS V1.5A files are supplied via SOLIS.

The following delivery components are required, regardless of the hardware type (HSI):

SINLIB.POSIX-HEADER.015	Library for installation in POSIX
SINPRC.POSIX-HEADER.015	Library with installation procedures
SYSLIB.POSIX-HEADER.015	Header for C applications in POSIX

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      SYSLNK.CRTE-BASYS.015          Libraries with C and
      SYSLNK.CRTE-BASYS.015.ASSRTS   assembler runtime system for
      SYSLNK.CRTE-BASYS.015.CLIB     BS2000 internal programs
      SYSLNK.CRTE-BASYS.015.ILCS     ILCS module library

      SYSLNK.CRTE.015.PTH            Libraries for PThreads
      SYSLNK.CRTE.015.PTH-LOAD

      SYSMES.CRTE-MSG.015            Message file for C, COBOL
                                     and assembler runtime system

      SYSSII.CRTE-BASYS.015          IMON information files
      SYSSII.CRTE-MSG.015            for CRTE-BASYS, CRTE-MSG
      SYSSII.POSIX-HEADER.015        and POSIX-HEADER

      SYSSSC.CRTE-BASYS.015          Subsystem declarations
      SYSSSC.CRTE-BASYS.015.LOW      (CRTEBASY)

      SYSSSC.CRTE.015.PTH            Subsystem declarations
      SYSSSC.CRTE.015.PTH.LOW        (CRTEPTH)

      The following delivery components are only required on SX serv-
      ers:

      SPULNK.CRTE-BASYS.015          Libraries with C and
      SPULNK.CRTE-BASYS.015.ASSRTS   assembler runtime system for
*5                                   BS2000 internal programs
*5                                   (RISC-SPARC)

      SPULNK.CRTE.015.PTH            Libraries for PThreads
      SPULNK.CRTE.015.PTH-LOAD       (RISC-SPARC)

      SPUSSC.CRTE-BASYS.015.LOW      Subsystem declarations
      SPUSSC.CRTE-BASYS.015          (CRTEBASP)

      SPUSSC.CRTE.015.PTH            Subsystem declarations
      SPUSSC.CRTE.015.PTH.LOW        (CRTEPTP)

      The current file and volume characteristics are listed in the
      SOLIS2 delivery cover letter.
```

1.3 Documentation

The following manuals are recommended for using the header files for C applications supplied with CRTE-BAS V1.5A:

Title	Order number
CRTE 2.5A (BS2000/OSD) Benutzerhandbuch	U21446-J-Z125-11
CRTE 2.5A (BS2000/OSD) User Guide	U21446-J-Z125-11-76
C-Bibiliotheksfunktionen V2.5A fuer POSIX-Anwendungen (BS2000/OSD)	U23711-J-Z125-3
C Library Functions V2.5A for POSIX Applications (BS2000/OSD)	U23711-J-Z125-3-76

The manuals of the BS2000/OSD-BC basic configuration are additionally recommended for operating CRTE-BAS.

The BS2000/OSD documentation is also available in German and English on CD-ROM under the title BS2000/OSD Softbooks.

The documentation is available as online manuals under
http://manuals.fujitsu-siemens.com
or can be ordered against extra cost under
http://FSC-manualshop.com.

There may be additional README files for these manuals. They contain changes and extensions to the manual of the product concerned. The file names have the following structure:

SYSRME.<product>.<version>.E (file with English text)
SYSRME.<product>.<version>.D (file with German text)

You should specify the CONTR-CHAR=EBCDIC operand in the PRINT FILE command when printing the files.

2 Software extensions

CRTE-BAS V1.5A contains no functional extensions over the previous version CRTE-BAS V1.4C.

2.1 Support for CRTE V2.5

*6 CRTE-BAS V1.5A60 is a software requirement for CRTE V2.5A60.

3 Technical information

3.1 Resource requirements

The files supplied with the technical delivery unit CRTE-BAS occupy
*4 approx. 9,300 PAM pages.
An additional
*4 approx. 11,500 PAM pages
are required for SX servers

Installation of POSIX-HEADER V1.5A and CRTE V2.5A in POSIX takes up around 4.7 MB in the root file system.

The following space is required in class 4 memory for loading the subsystems:

CRTEBASP	4340 KB	(only for RISC-SPARC systems)
CRTEBASY	2570 KB	
CRTEPTH	2610 KB	
CRTEPTP	4400 KB	(only for RISC-SPARC systems)

*4 All subsystems are loaded by default into the class 4 memory
*4 above 16 MB.

3.2 Software configuration

CRTE-BAS V1.5A is included in BS2000/OSD-BC as of V5.0 and in OSD/XC as of V1.0.

3.3 Product installation

Installation of the technical delivery unit CRTE-BAS with the installation monitor IMON is mandatory. The information concerning installation in the delivery cover letter and in the product documentation must be followed as well as the information in this Release Notice.

The necessary inputs and the sequence of the installation are described in the IMON documentation.

The standard installation of POSIX-HEADER in the POSIX file system is made either directly with IMON or with the POSIX installation tool after installation with IMON.

The following additional installation forms are also described in the CRTE V2.5A manual:

- Installation to a non-standard ID
- Private installation
- Installing the header files and link switches in any desired POSIX directory

The CRTEBASY subsystem and possibly CRTEBASP as well as CRTEPTH and possibly CRTEPTP from the CRTE-BASYS V1.5A delivery unit, are provided as the runtime environment for BS2000 internal programs. The subsystems should only be preloaded if this is recommended in the Release Notice of another installed product.

The subsystems are loaded into upper class 4 memory by default. As an alternative, the subsystems can also be loaded into class 4 memory below 16 MB using the supplied subsystem declaration files (with the extension LOW), if enough space is available there.

In addition, IMON copies the IC@RTSXS, IC@STLNK and IC@ULINK modules from the SYSLNK.CRTE-BASYS.015.CLIB library into the CLIB. If the $.CLIB file does not exist in the original system, it is created by IMON. This $.CLIB can be used for programs that were compiled with C V2.0 or earlier.

The compatibility library SYSLNK.ILCS is also installed with CRTE-BASYS.

3.3.1 Important information regarding upgrades

Upgrading from previous POSIX-HEADER versions:

- If the version of a product already installed in POSIX (POSIX-HEADER) changes (e.g. from 014 to 015), the old product version should be deinstalled ('Delete packages from POSIX' function of the POSIX installation program) before the new product version is installed in POSIX. This deinstallation can only be made using procedures from the old product files (e.g. SINLIB.<product>.<oldvers>). The old product files can then be deleted and the new product version installed in POSIX. See also the CRTE V2.5A User Guide for more information on this.

Upgrading from previous CRTE-BASYS versions:

- Any preloaded CRTEBASP or CRTEBASY subsystems from a previous version as well as CRTEPTH or CRTEPTP of a previous version or the product CRTE V2.4 may not be accessed while or after installing CRTE-BAS V1.5A. They should be stopped before CRTE-BAS V1.5A is installed, and either replaced by the new version of the subsystem concerned (in the case of a standard installation, IMON automatically generates the appropriate entries in the subsystem catalog) or removed from the subsystem catalog.

3.4 Product use

The CRTE V2.5A User Guide contains information on using the product POSIX-HEADER V1.5A.

3.5 Obsolete functions (and those to be discontinued)

– none –

3.6 Incompatibilities

– none –

3.7 Restrictions

– none –

3.8 Procedure in the event of errors

In the event of an error, the following error documentation will be required for diagnostic purposes:

- Detailed description of the error condition
- Information as to if and how the error can be reproduced
- Options, source, error list with COPY or INCLUDE expansion (LISTING option)
- Run log
- Source including COPY or INCLUDE elements and COSSD if available
- Binder listing
- Input/output files
- Expected result
- Brief description of execution
- Product version number
- REP files used
- CONSLOG (in special cases)
- DUMP, if available
- Subsystems used

4 Hardware support

CRTE-BAS V1.5A will run on all CPUs supported by

- BS2000/OSD-BC as of V5.0 and
- OSD/XC as of V1.0.

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